

Amendment to the Claims

The following listing of claims will replace all prior versions and listings of claims.

Listing of Claims:

1-40. (Canceled)

41. (Previously presented) A method of detecting prostatic specific reductase (PSR) protein in a biological sample comprising:
- (a) contacting the biological sample with an antibody or fragment thereof that specifically binds a protein consisting of amino acid residues 1 to 316 of SEQ ID NO:2; and
 - (b) detecting said prostatic specific reductase (PSR) protein in the biological sample bound to said antibody or fragment thereof.
42. (Previously presented) The method of claim 41 wherein the antibody or fragment thereof is a monoclonal antibody.
43. (Previously presented) The method of claim 41 wherein the antibody or fragment thereof is a polyclonal antibody.
44. (Currently amended) The method of claim 41 wherein the antibody or fragment thereof is selected from the group consisting of:
- ~~(a)~~ a chimeric antibody;
 - ~~(b)~~(a) a humanized antibody;
 - ~~(c)~~(b) a single chain antibody; and
 - ~~(d)~~(c) a Fab fragment.
45. (Previously presented) The method of claim 41 wherein the antibody or fragment thereof is labeled.
46. (Previously presented) The method of claim 45 wherein the label is selected from the group consisting of:
- (a) an enzyme label;
 - (b) a radioisotope;

- (c) a fluorescent label; and
 - (d) a bioluminescent label.
47. (Previously presented) The method of claim 41 wherein the biological sample is tissue.
48. (Previously presented) The method of claim 41 wherein the biological sample is cells.
49. (Previously presented) The method of claim 41 wherein the biological sample is plasma.
50. (Previously presented) The method of claim 41 wherein the biological sample is serum.
51. (Previously presented) The method of claim 41 wherein the biological sample is saliva.
52. (Previously presented) The method of claim 41 wherein the biological sample is urine.
53. (Previously presented) A method of detecting prostatic specific reductase (PSR) protein in a biological sample comprising:
- (a) contacting the biological sample with an antibody or fragment thereof that
 - specifically binds a protein whose amino acid sequence consists of the mature polypeptide encoded by the cDNA contained in ATCC™ Deposit Number 75913;
 - and
 - (b) detecting said prostatic specific reductase (PSR) protein in the biological sample bound to said antibody or fragment thereof.
54. (Previously presented) The method of claim 53 wherein the antibody or fragment thereof is a monoclonal antibody.
55. (Previously presented) The method of claim 53 wherein the antibody or fragment thereof is a polyclonal antibody.

56. (Currently amended) The method of claim 53 wherein the antibody or fragment thereof is selected from the group consisting of:
- ~~(a)~~ ~~a chimeric antibody;~~
 - ~~(b)~~ (a) a humanized antibody;
 - ~~(c)~~ (b) a single chain antibody; and
 - ~~(d)~~ (c) a Fab fragment.
57. (Previously presented) The method of claim 53 wherein the antibody or fragment thereof is labeled.
58. (Previously presented) The method of claim 57 wherein the label is selected from the group consisting of:
- (a) an enzyme label;
 - (b) a radioisotope;
 - (c) a fluorescent label; and
 - (d) a bioluminescent label.
59. (Previously presented) The method of claim 53 wherein the biological sample is tissue.
60. (Previously presented) The method of claim 53 wherein the biological sample is cells.
61. (Previously presented) The method of claim 53 wherein the biological sample is plasma.
62. (Previously presented) The method of claim 53 wherein the biological sample is serum.
63. (Previously presented) The method of claim 53 wherein the biological sample is saliva.
64. (Previously presented) The method of claim 53 wherein the biological sample is urine.